

Product Information



717 OEM Disk Storage Drive

- Contact start-stop, read-write heads
- Advanced Winchester Technology
- Capacities of approximately 66, 110 and 154 megabytes unformatted
- Rotational Position Sensing
- Address Mark Format
- Self-Contained Power Supply
- Dual Port Option
- Fixed Head Option 1.2 megabytes

The 717.
Another Member of the Interface-Compatible ISS Disk Drive Family.

The Model 717 disk drive is a moving head, random-access storage device utilizing non-removable media, and advanced Winchester Technology contact start-stop, read-write heads.

The Model 717 design is based on the ISS Expandable File Family (EFF) technology, and brings to users whose requirements are for less storage capacity, the same EFF reliability and on-line performance.

There are three models of the ISS 717 with unformatted **capacities of 66, 110, 154 megabytes**, depending on the selection of the Head Disk Assembly (HDA) containing either two, three or four disks.

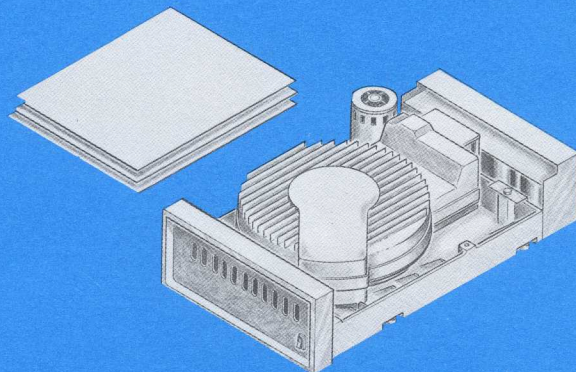
The HDA contains the lubricated disk media as well as the required movable data head/arm assemblies, servo head/arm assembly, spindle, mechanical carriage assembly and associated electronics.

In addition to the moving head assembly, **up to 1.2 megabytes of storage capacity is accessible via the fixed head optional feature.** The fixed head assembly is mounted within the HDA.

The electrical interface to the disk controller is compatible with the storage module series of disk drives. In addition, the ISS 717 will provide **rotational positional sensing and address mark format** capability as standard features.

Dynamic dual port is provided as an option and can be factory or field installed.

The ISS 717 is provided with self-contained DC power supplies.



717 OEM Disk Storage Drive

The 717.

Another Member of the Interface- Compatible ISS Disk Drive Family.

SPECIFICATIONS

| | 100-500 | 3300 | 3900 | 4500 ^{oe} |
|---|------------------------|------------|---------|--------------------|
| | 2 Disk | 3 Disk | 4 Disk | |
| Unformatted Storage Capacity | | | | |
| Moving Heads | 66 mb | 110 mb | 154 mb | |
| Fixed Heads (Optional) | 1.2 mb | All Models | | |
| Data Rate (Bytes/Sec) | 1.198 x10 ⁶ | All Models | | |
| Bit Density | 6,366 BPI | | | |
| Number of Data Surfaces (two heads per data surface) | 3 | 5 | 7 | |
| Number of Data Heads | 6 | 10 | 14 | |
| Number of Servo Heads | 1 | All Models | | |
| Tracks per Cylinder | 6 | 10 | 14 | |
| Cylinders per Drive (total) | 560 | All Models | | |
| Data Capacity per Track (bytes) | 19,968 | All Models | | |
| Data Capacity per Cylinder (bytes) | 119,808 | 199,680 | 279,552 | |

POWER REQUIREMENTS

208/240 VAC + 6%-15%
200/230 VAC + 10%-15%
110 VAC + 10%-15%
60 HZ ±2% Single Phase
200/220/380 VAC + 10%-15%
240/416 VAC + 6%-15%
50 HZ ±2% Single Phase

ACCESS TIME (Nominal)

7Ms to Adjacent Cylinder
35Ms Average
70Ms Maximum

LATENCY

Average 8.3 Ms
Maximum 16.6 Ms

FIXED HEAD SPECIFICATIONS (Optional)

Tracks per Drive 60
Data Capacity per track 19,968
Data Capacity per drive 1.2 megabytes
(unformatted)
Number of Data Surfaces 1
Disk Rotation Speed 3600 RPM ±4%
Startup Time 15 seconds Max.
Stop Time 60 seconds Max.

OPERATING ENVIRONMENT

Temperature 50°F-105°F (10°C-40°C)
Relative Humidity 20-80%
Heat dissipation 4000 BTU/HOUR Nominal

PHYSICAL DIMENSIONS

Height 8.75" (22.2 cm)
Width 16.56" (42.1 cm)
Depth 27.75" (70.5 cm)
Weight 115 Lbs. (52.3 kg)

STANDARD FEATURES

- Advanced Winchester Technology
- 35 MS average access time
- Rotational position sensing
- Address Mark Format
- 66, 110 and 154 megabyte capacity unformatted

OPTIONAL FEATURES

- 1.2 megabytes additional fixed head storage
- Dual port (factory or field installed)
- 3400 RPM Disk Rotational Speed

Get the whole story.

Contact:

ISS
10435 North Tantau Avenue
Cupertino, California 95014
(408) 257-6220

ISS
60 William Street
Wellesley, Mass. 02181
(617) 237-1000

ISS 717.

**Technological leadership today.
For tomorrow.**

SPERRY  **UNIVAC**

ISS is an operating unit of Sperry Univac.
Sperry Univac is a division of Sperry Rand Corp.

Specifications subject to change without notice.
Printed in U.S.A.